SEQUENCE LISTING

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<120> HUMAN RNA-ASSOCIATED PROTEINS

<130> PF-0579 PCT

<140> To Be Assigned
<141> Herewith

<150> 60/097,550; 60/115,639
<151> 1998-08-21; 1999-01-12

<160> 50

<170> PERL Program

<210> 1
<211> 216
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 399781CD1

<400> 1

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Met Ser Arg Tyr Leu Arg Pro Pro Asn Thr Ser Leu Phe Val Arg
  1               5                  10                  15
Asn Val Ala Asp Asp Thr Arg Ser Glu Asp Leu Arg Arg Glu Phe
             20                  25                  30
Gly Arg Tyr Gly Pro Ile Val Asp Val Tyr Val Pro Leu Asp Phe
             35                  40                  45
Tyr Thr Arg Arg Pro Arg Gly Phe Ala Tyr Val Gln Phe Glu Asp
             50                  55                  60
Val Arg Asp Ala Glu Asp Ala Leu His Asn Leu Asp Arg Lys Trp
             65                  70                  75

Ile Cys Gly Arg Gln Ile Glu Ile Gln Phe Ala Gln Gly Asp Arg
             80                  85                  90
```

```
Lys Thr Pro Asn Gln Met Lys Ala Lys Glu Gly Arg Asn Val Tyr
                 95                  100                 105
Ser Ser Ser Arg Tyr Asp Asp Tyr Asp Arg Tyr Arg Arg Ser Arg
                110                 115                 120
Ser Arg Ser Tyr Glu Arg Arg Arg Ser Arg Ser Arg Ser Phe Asp
                125                 130                 135
Tyr Asn Tyr Arg Arg Ser Tyr Ser Pro Arg Asn Ser Arg Pro Thr
                140                 145                 150
Gly Arg Pro Arg Arg Arg Glu Ala Ile Pro Thr Met Ile Asp Gln
                155                 160                 165
Thr Ala Ala Gly Ile Pro Ser Thr Val Leu Leu Thr Thr Leu Gln
                170                 175                 180
Glu Arg Ser Glu Ser Gly Lys Arg Thr Lys Glu Gly Gln Phe Lys
                185                 190                 195
Arg Pro Lys Gly Gly Trp Lys Val Leu Gln Tyr Glu Tyr Cys Thr
                200                 205                 210
Asn Ile Leu Thr Leu Val
                215
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<210> 2
<211> 962
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 1806542CD1

<400> 2

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Met Asp Glu Gln Ala Leu Leu Gly Leu Asn Pro Asn Ala Asp Ser
  1               5                  10                  15
Asp Phe Arg Gln Arg Ala Leu Ala Tyr Phe Glu Gln Leu Lys Ile
                20                  25                  30
Ser Pro Asp Ala Trp Gln Val Cys Ala Glu Ala Leu Ala Gln Arg
                35                  40                  45
Thr Tyr Ser Asp Asp His Val Lys Phe Phe Cys Phe Gln Val Leu
                50                  55                  60
Glu His Gln Val Lys Tyr Lys Tyr Ser Glu Leu Thr Thr Val Gln
                65                  70                  75
Gln Gln Leu Ile Arg Glu Thr Leu Ile Ser Trp Leu Gln Ala Gln
                80                  85                  90
Met Leu Asn Pro Gln Pro Glu Lys Thr Phe Ile Arg Asn Lys Ala
                95                 100                 105
Ala Gln Val Phe Ala Leu Leu Phe Val Thr Glu Tyr Leu Thr Lys
               110                 115                 120
Trp Pro Lys Phe Phe Phe Asp Ile Leu Ser Val Val Asp Leu Asn
               125                 130                 135
Pro Arg Gly Val Asp Leu Tyr Leu Arg Ile Leu Met Ala Ile Asp
               140                 145                 150
Ser Glu Leu Val Asp Arg Asp Val Val His Thr Ser Glu Glu Ala
               155                 160                 165
Arg Arg Asn Thr Leu Ile Lys Asp Thr Met Arg Glu Gln Cys Ile
               170                 175                 180
Pro Asn Leu Val Glu Ser Trp Tyr Gln Ile Leu Gln Asn Tyr Gln
               185                 190                 195
Phe Thr Asn Ser Glu Val Thr Cys Gln Cys Leu Glu Val Val Gly
```

```
                200                 205                 210
Ala Tyr Val Ser Trp Ile Asp Leu Ser Leu Ile Ala Asn Asp Arg
                215                 220                 225
Phe Ile Asn Met Leu Leu Gly His Met Ser Ile Glu Val Leu Arg
                230                 235                 240
Glu Glu Ala Cys Asp Cys Leu Phe Glu Val Val Asn Lys Gly Met
                245                 250                 255
Asp Pro Val Asp Lys Met Lys Leu Val Glu Ser Leu Cys Gln Val
                260                 265                 270
Leu Gln Ser Ala Gly Phe Phe Ser Ile Asp Gln Glu Glu Asp Val
                275                 280                 285
Asp Phe Leu Ala Arg Phe Ser Lys Leu Val Asn Gly Met Gly Gln
                290                 295                 300
Ser Leu Ile Val Ser Trp Ser Lys Leu Ile Lys Asn Gly Asp Ile
                305                 310                 315
Lys Asn Ala Gln Glu Ala Leu Gln Ala Ile Glu Thr Lys Val Ala
                320                 325                 330
Leu Met Leu Gln Leu Leu Ile His Glu Asp Asp Ile Ser Ser
                335                 340                 345
Asn Ile Ile Gly Phe Cys Tyr Asp Tyr Leu His Ile Leu Lys Gln
                350                 355                 360
Leu Thr Val Leu Ser Asp Gln Gln Lys Ala Asn Val Glu Ala Ile
                365                 370                 375
Met Leu Ala Val Met Lys Lys Leu Thr Tyr Asp Glu Glu Tyr Asn
                380                 385                 390
Phe Glu Asn Glu Gly Glu Asp Glu Ala Met Phe Val Glu Tyr Arg
                395                 400                 405
Lys Gln Leu Lys Leu Leu Leu Asp Arg Leu Ala Gln Val Ser Pro
                410                 415                 420
Glu Leu Leu Leu Ala Ser Val Arg Arg Val Phe Ser Ser Thr Leu
                425                 430                 435
Gln Asn Trp Gln Thr Thr Arg Phe Met Glu Val Glu Val Ala Ile
                440                 445                 450
Arg Leu Leu Tyr Met Leu Ala Glu Ala Leu Pro Val Ser His Gly
                455                 460                 465
Ala His Phe Ser Gly Asp Val Ser Lys Ala Ser Ala Leu Gln Asp
                470                 475                 480
Met Met Arg Thr Leu Val Thr Ser Gly Val Ser Ser Tyr Gln His
                485                 490                 495
Thr Ser Val Thr Leu Glu Phe Phe Glu Thr Val Val Arg Tyr Glu
                500                 505                 510
Lys Phe Phe Thr Val Glu Pro Gln His Ile Pro Cys Val Leu Met
                515                 520                 525
Ala Phe Leu Asp His Arg Gly Leu Arg His Ser Ser Ala Lys Val
                530                 535                 540
Arg Ser Arg Thr Ala Tyr Leu Phe Ser Arg Phe Val Lys Ser Leu
                545                 550                 555
Asn Lys Gln Met Asn Pro Phe Ile Glu Asp Ile Leu Asn Arg Ile
                560                 565                 570
Gln Asp Leu Leu Glu Leu Ser Pro Pro Glu Asn Gly His Gln Ser
                575                 580                 585
Leu Leu Ser Ser Asp Asp Gln Leu Phe Ile Tyr Glu Thr Ala Gly
                590                 595                 600
Val Leu Ile Val Asn Ser Glu Tyr Pro Ala Glu Arg Lys Gln Ala
                605                 610                 615
Leu Met Arg Asn Leu Leu Thr Pro Leu Met Glu Lys Phe Lys Ile
                620                 625                 630
```

```
Leu Leu Glu Lys Leu Met Leu Ala Gln Asp Glu Glu Arg Gln Ala
                635                 640                 645
Ser Leu Ala Asp Cys Leu Asn His Ala Val Gly Phe Ala Ser Arg
                650                 655                 660
Thr Ser Lys Ala Phe Ser Asn Lys Gln Thr Val Lys Gln Cys Gly
                665                 670                 675
Cys Ser Glu Val Tyr Leu Asp Cys Leu Gln Thr Phe Leu Pro Ala
                680                 685                 690
Leu Ser Cys Pro Leu Gln Lys Asp Ile Leu Arg Ser Gly Val Arg
                695                 700                 705
Thr Phe Leu His Arg Met Ile Ile Cys Leu Glu Glu Glu Val Leu
                710                 715                 720
Pro Phe Ile Pro Ser Ala Ser Glu His Met Leu Lys Asp Cys Glu
                725                 730                 735
Ala Lys Asp Leu Gln Glu Phe Ile Pro Leu Ile Asn Gln Ile Thr
                740                 745                 750
Ala Lys Phe Lys Ile Gln Val Ser Pro Phe Leu Gln Gln Met Phe
                755                 760                 765
Met Pro Leu Leu His Ala Ile Phe Glu Val Leu Leu Arg Pro Ala
                770                 775                 780
Glu Glu Asn Asp Gln Ser Ala Ala Leu Glu Lys Gln Met Leu Arg
                785                 790                 795
Arg Ser Tyr Phe Ala Phe Leu Gln Thr Val Thr Gly Ser Gly Met
                800                 805                 810
Ser Glu Val Ile Ala Asn Gln Gly Ala Glu Asn Val Glu Arg Val
                815                 820                 825
Leu Val Thr Val Ile Gln Gly Ala Val Glu Tyr Pro Asp Pro Ile
                830                 835                 840
Ala Gln Lys Thr Cys Phe Ile Ile Leu Ser Lys Leu Val Glu Leu
                845                 850                 855
Trp Gly Gly Lys Asp Gly Pro Val Gly Phe Ala Asp Phe Val Tyr
                860                 865                 870
Lys His Ile Val Pro Ala Cys Phe Leu Ala Pro Leu Lys Gln Thr
                875                 880                 885
Phe Asp Leu Ala Asp Ala Gln Thr Val Leu Ala Leu Ser Glu Cys
                890                 895                 900
Ala Val Thr Leu Lys Thr Ile His Leu Lys Arg Gly Pro Glu Cys
                905                 910                 915
Val Gln Tyr Leu Gln Gln Glu Tyr Leu Pro Ser Leu Gln Val Ala
                920                 925                 930
Pro Glu Ile Ile Gln Glu Phe Cys Gln Ala Leu Gln Gln Pro Asp
                935                 940                 945
Ala Lys Val Phe Lys Asn Tyr Leu Lys Val Phe Phe Gln Arg Ala
                950                 955                 960
Lys Pro
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<210> 3
<211> 285
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 2263514CD1

<400> 3
Met Asp Trp Val Met Lys His Asn Gly Pro Asn Asp Ala Ser Asp
1 5 10 15
Gly Thr Val Arg Leu Arg Gly Leu Pro Phe Gly Cys Ser Lys Glu
20 25 30
Glu Ile Val Arg Val Leu Ser Arg Tyr Ile Glu Ile Phe Arg Ser
35 40 45
Ser Arg Ser Glu Ile Lys Gly Phe Tyr Asp Pro Pro Arg Arg Leu
50 55 60
Leu Gly Gln Arg Pro Gly Pro Tyr Asp Arg Pro Ile Gly Gly Arg
65 70 75
Gly Gly Tyr Tyr Gly Ala Gly Arg Gly Ser Tyr Gly Gly Phe Asp
80 85 90
Asp Tyr Gly Gly Tyr Asn Asn Tyr Gly Tyr Gly Asn Asp Gly Phe
95 100 105
Asp Asp Arg Met Arg Asp Gly Arg Gly Met Gly Gly His Gly Tyr
110 115 120
Gly Gly Ala Gly Asp Ala Ser Ser Gly Phe His Gly Gly His Phe
125 130 135
Val His Met Arg Gly Leu Pro Phe Arg Ala Thr Glu Asn Ala Ile
140 145 150
Ala Asn Phe Phe Ser Pro Leu Asn Pro Ile Arg Val His Ile Asp
155 160 165
Ile Gly Ala Asp Gly Arg Ala Thr Gly Glu Ala Asp Val Glu Phe
170 175 180
Val Thr His Glu Asp Ala Val Ala Ala Met Ser Lys Asp Lys Asn
185 190 195
Asn Met Gln His Arg Tyr Ile Glu Leu Phe Leu Asn Ser Thr Pro
200 205 210
Gly Gly Gly Ser Gly Met Gly Gly Ser Gly Met Gly Gly Tyr Gly
215 220 225
Arg Asp Gly Met Asp Asn Gln Gly Gly Tyr Gly Ser Val Gly Arg
230 235 240
Met Gly Met Gly Asn Asn Tyr Ser Gly Gly Tyr Gly Thr Pro Asp
245 250 255
Gly Leu Gly Gly Tyr Gly Arg Gly Gly Gly Gly Ser Gly Gly Tyr
260 265 270
Tyr Gly Gln Gly Gly Met Ser Gly Gly Gly Trp Arg Gly Met Tyr
275 280 285

<210> 4
<211> 267
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 2738270CD1

<400> 4
Met Gly Ala Ala Ala Ala Glu Ala Asp Arg Thr Leu Phe Val Gly
1 5 10 15
Asn Leu Glu Thr Lys Val Thr Glu Glu Leu Leu Phe Glu Leu Phe
20 25 30
His Gln Ala Gly Pro Val Ile Lys Val Lys Ile Pro Lys Asp Lys
35 40 45

```
Asp Gly Lys Pro Lys Gln Phe Ala Phe Val Asn Phe Lys His Glu
                50                  55                  60
Val Ser Val Pro Tyr Ala Met Asn Leu Leu Asn Gly Ile Lys Leu
                65                  70                  75
Tyr Gly Arg Pro Ile Lys Ile Gln Phe Arg Ser Gly Ser Ser His
                80                  85                  90
Ala Pro Gln Asp Val Ser Leu Ser Tyr Pro Gln His His Val Gly
                95                 100                 105
Asn Ser Ser Pro Thr Ser Thr Ser Pro Ser Ser Arg Tyr Glu Arg
               110                 115                 120
Thr Met Asp Asn Met Thr Ser Ser Ala Gln Ile Ile Gln Arg Ser
               125                 130                 135
Phe Ser Ser Pro Glu Asn Phe Gln Arg Gln Ala Val Met Asn Ser
               140                 145                 150
Ala Leu Arg Gln Met Ser Tyr Gly Gly Lys Phe Gly Ser Ser Pro
               155                 160                 165
Leu Asp Gln Ser Gly Phe Ser Pro Ser Val Gln Ser His Ser His
               170                 175                 180
Ser Phe Asn Gln Ser Ser Ser Ser Gln Trp Arg Gln Gly Thr Pro
               185                 190                 195
Ser Ser Gln Arg Lys Val Arg Met Asn Ser Tyr Pro Tyr Leu Ala
               200                 205                 210
Asp Arg His Tyr Ser Arg Glu Gln Arg Tyr Thr Asp His Gly Ser
               215                 220                 225
Asp His His Tyr Arg Gly Lys Arg Asp Asp Phe Phe Tyr Glu Asp
               230                 235                 240
Arg Asn His Asp Asp Trp Ser His Asp Tyr Asp Asn Arg Arg Asp
               245                 250                 255
Ser Ser Arg Asp Gly Lys Trp Arg Ser Ser Arg His
               260                 265
```

<210> 5
<211> 369
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 2824412CD1

<400> 5

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Met Pro Pro Gln Pro Gln Gly Pro Ala Pro Leu Arg Arg Pro Asp
  1                 5                  10                  15
Ser Ser Asp Asp Arg Tyr Val Met Thr Lys His Ala Thr Ile Tyr
                20                  25                  30
Pro Thr Glu Glu Glu Leu Gln Ala Val Gln Lys Ile Val Ser Ile
                35                  40                  45
Thr Glu Arg Ala Leu Lys Leu Val Ser Asp Ser Leu Ser Glu His
                50                  55                  60
Glu Lys Asn Lys Asn Lys Glu Gly Asp Asp Lys Lys Glu Gly Gly
                65                  70                  75
Lys Asp Arg Ala Leu Lys Gly Val Leu Arg Val Gly Val Leu Ala
                80                  85                  90
Lys Gly Leu Leu Leu Arg Gly Asp Arg Asn Val Asn Leu Val Leu
```

```
                95                  100                 105
Leu Cys Ser Glu Lys Pro Ser Lys Thr Leu Leu Ser Arg Ile Ala
                110                 115                 120
Glu Asn Leu Pro Lys Gln Leu Ala Val Ile Ser Pro Glu Lys Tyr
                125                 130                 135
Asp Ile Lys Cys Ala Val Ser Glu Ala Ala Ile Ile Leu Asn Ser
                140                 145                 150
Cys Val Glu Pro Lys Met Gln Val Thr Ile Thr Leu Thr Ser Pro
                155                 160                 165
Ile Ile Arg Glu Glu Asn Met Arg Glu Gly Asp Val Thr Ser Gly
                170                 175                 180
Met Val Lys Asp Pro Pro Asp Val Leu Asp Arg Gln Lys Cys Leu
                185                 190                 195
Asp Ala Leu Ala Ala Leu Arg His Ala Lys Trp Phe Gln Ala Arg
                200                 205                 210
Ala Asn Gly Leu Gln Ser Cys Val Ile Ile Ile Arg Ile Leu Arg
                215                 220                 225
Asp Leu Cys Gln Arg Val Pro Thr Trp Ser Asp Phe Pro Ser Trp
                230                 235                 240
Ala Met Glu Leu Leu Val Glu Lys Ala Ile Ser Ser Ala Ser Ser
                245                 250                 255
Pro Gln Ser Pro Gly Asp Ala Leu Arg Arg Val Phe Glu Cys Ile
                260                 265                 270
Ser Ser Gly Ile Ile Leu Lys Gly Ser Pro Gly Leu Leu Asp Pro
                275                 280                 285
Cys Glu Lys Asp Pro Phe Asp Thr Leu Ala Thr Met Thr Asp Gln
                290                 295                 300
Gln Arg Glu Asp Ile Thr Ser Ser Ala Gln Phe Ala Leu Arg Leu
                305                 310                 315
Leu Ala Phe Arg Gln Ile His Lys Val Leu Gly Met Asp Pro Leu
                320                 325                 330
Pro Gln Met Ser Gln Arg Phe Asn Ile His Asn Asn Arg Lys Arg
                335                 340                 345
Arg Arg Asp Ser Asp Gly Val Asp Gly Phe Glu Ala Glu Gly Lys
                350                 355                 360
Lys Asp Lys Lys Asp Tyr Asp Asn Phe
                365
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<210> 6
<211> 175
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 002690CD1

<400> 6

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Met Arg Leu Ser Val Ala Ala Ala Ile Ser His Gly Arg Val Phe
  1                 5                  10                  15
Arg Arg Met Gly Leu Gly Pro Glu Ser Arg Ile His Leu Leu Arg
                20                  25                  30
Asn Leu Leu Thr Gly Leu Val Arg His Glu Arg Ile Glu Ala Pro
                35                  40                  45
```

```
Trp Ala Arg Val Asp Glu Met Arg Gly Tyr Ala Glu Lys Leu Ile
                  50                  55                  60
Asp Tyr Gly Lys Leu Gly Asp Thr Asn Glu Arg Ala Met Arg Met
                  65                  70                  75
Ala Asp Phe Trp Leu Thr Glu Lys Asp Leu Ile Pro Lys Leu Phe
                  80                  85                  90
Gln Val Leu Ala Pro Arg Tyr Lys Asp Gln Thr Gly Gly Tyr Thr
                  95                 100                 105
Arg Met Leu Gln Ile Pro Asn Arg Ser Leu Asp Arg Ala Lys Met
                 110                 115                 120
Ala Val Ile Glu Tyr Lys Gly Asn Cys Leu Pro Pro Leu Pro Leu
                 125                 130                 135
Pro Arg Arg Asp Ser His Leu Thr Leu Leu Asn Gln Leu Leu Gln
                 140                 145                 150
Gly Leu Arg Gln Asp Leu Arg Gln Ser Gln Glu Ala Ser Asn His
                 155                 160                 165
Ser Ser His Thr Ala Gln Thr Pro Gly Ile
                 170                 175
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<210> 7
<211> 311
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte Identification No.: 041108CD1

<400> 7

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Met Leu Gln Phe Val Arg Ala Gly Ala Arg Ala Trp Leu Arg Pro
  1               5                  10                  15
Thr Gly Ser Gln Gly Leu Ser Ser Leu Ala Glu Glu Ala Ala Arg
                 20                  25                  30
Ala Thr Glu Asn Pro Glu Gln Val Ala Ser Glu Gly Leu Pro Glu
                 35                  40                  45
Pro Val Leu Arg Lys Val Glu Leu Pro Val Pro Thr His Arg Arg
                 50                  55                  60
Pro Val Gln Ala Trp Val Glu Ser Leu Arg Gly Phe Glu Gln Glu
                 65                  70                  75
Arg Val Gly Leu Ala Asp Leu His Pro Asp Val Phe Ala Thr Ala
                 80                  85                  90
Pro Arg Leu Asp Ile Leu His Gln Val Ala Met Trp Gln Lys Asn
                 95                 100                 105
Phe Lys Arg Ile Ser Tyr Ala Lys Thr Lys Thr Arg Ala Glu Val
                110                 115                 120
Arg Gly Gly Gly Arg Lys Pro Trp Pro Gln Lys Gly Thr Gly Arg
                125                 130                 135
Ala Arg His Gly Ser Ile Arg Ser Pro Leu Trp Arg Gly Gly Gly
                140                 145                 150
Val Ala His Gly Pro Arg Gly Pro Thr Ser Tyr Tyr Tyr Met Leu
                155                 160                 165
Pro Met Lys Val Arg Ala Leu Gly Leu Lys Val Ala Leu Thr Val
                170                 175                 180
Lys Leu Ala Gln Asp Asp Leu His Ile Met Asp Ser Leu Glu Leu
```

```
                185                 190                 195
Pro Thr Gly Asp Pro Gln Tyr Leu Thr Glu Leu Ala His Tyr Arg
                200                 205                 210
Arg Trp Gly Asp Ser Val Leu Leu Val Asp Leu Thr His Glu Glu
                215                 220                 225
Met Pro Gln Ser Ile Val Glu Ala Thr Ser Arg Leu Lys Thr Phe
                230                 235                 240
Asn Leu Ile Pro Ala Val Gly Leu Asn Val His Ser Met Leu Lys
                245                 250                 255
His Gln Thr Leu Val Leu Thr Leu Pro Thr Val Ala Phe Leu Glu
                260                 265                 270
Asp Lys Leu Leu Trp Gln Asp Ser Arg Tyr Arg Pro Leu Tyr Pro
                275                 280                 285
Phe Ser Leu Pro Tyr Ser Asp Phe Pro Arg Pro Leu Pro His Ala
                290                 295                 300
Thr Gln Gly Pro Ala Ala Thr Pro Tyr His Cys
                305                 310
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<210> 8
<211> 330
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 869138CD1

<400> 8

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Met Ser Thr Lys Asn Phe Arg Val Ser Asp Gly Asp Trp Ile Cys
  1                 5                  10                  15
Pro Asp Lys Lys Cys Gly Asn Val Asn Phe Ala Arg Arg Thr Ser
                 20                  25                  30
Cys Asn Arg Cys Gly Arg Glu Lys Thr Thr Glu Ala Lys Met Met
                 35                  40                  45
Lys Ala Gly Gly Thr Glu Ile Gly Lys Thr Leu Ala Glu Lys Ser
                 50                  55                  60
Arg Gly Leu Phe Ser Ala Asn Asp Trp Gln Cys Lys Thr Cys Ser
                 65                  70                  75
Asn Val Asn Trp Ala Arg Arg Ser Glu Cys Asn Met Cys Asn Thr
                 80                  85                  90
Pro Lys Tyr Ala Lys Leu Glu Glu Arg Thr Gly Tyr Gly Gly Gly
                 95                 100                 105
Phe Asn Glu Arg Glu Asn Val Glu Tyr Ile Glu Arg Glu Glu Ser
                110                 115                 120
Asp Gly Glu Tyr Asp Glu Phe Gly Arg Lys Lys Lys Lys Tyr Arg
                125                 130                 135
Gly Lys Ala Val Gly Pro Ala Ser Ile Leu Lys Glu Val Glu Asp
                140                 145                 150
Lys Glu Ser Glu Gly Glu Glu Glu Asp Glu Asp Glu Asp Leu Ser
                155                 160                 165
Lys Tyr Lys Leu Asp Glu Asp Glu Asp Glu Asp Asp Ala Asp Leu
                170                 175                 180
Ser Lys Tyr Asn Leu Asp Ala Ser Glu Glu Glu Asp Ser Asn Lys
                185                 190                 195
```

```
Lys Lys Ser Asn Arg Arg Ser Arg Ser Lys Ser Arg Ser Ser His
                200                 205                 210
Ser Arg Ser Ser Ser Arg Ser Ser Ser Pro Ser Ser Ser Arg Ser
                215                 220                 225
Arg Ser Arg Ser Arg Ser Arg Ser Ser Ser Ser Ser Gln Ser Arg
                230                 235                 240
Ser Arg Ser Ser Ser Arg Glu Arg Ser Arg Ser Arg Gly Ser Lys
                245                 250                 255
Ser Arg Ser Ser Ser Arg Ser His Arg Gly Ser Ser Ser Pro Arg
                260                 265                 270
Lys Arg Ser Tyr Ser Ser Ser Ser Ser Ser Pro Glu Arg Asn Arg
                275                 280                 285
Lys Arg Ser Arg Ser Arg Ser Ser Ser Ser Gly Asp Arg Lys Lys
                290                 295                 300
Arg Arg Thr Arg Ser Arg Ser Pro Glu Arg Arg His Arg Ser Ser
                305                 310                 315
Ser Gly Ser Ser His Ser Gly Ser Arg Ser Ser Ser Lys Lys Lys
                320                 325                 330
```

<210> 9
<211> 183
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 934406CD1

<400> 9

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Met Ser Arg Tyr Leu Arg Pro Pro Asn Thr Ser Leu Phe Val Arg
  1                 5                  10                  15
Asn Val Ala Asp Asp Thr Arg Ser Glu Asp Leu Arg Arg Glu Phe
                 20                  25                  30
Gly Arg Tyr Gly Pro Ile Val Asp Val Tyr Val Pro Leu Asp Phe
                 35                  40                  45
Tyr Thr Arg Arg Pro Arg Gly Phe Ala Tyr Val Gln Phe Glu Asp
                 50                  55                  60
Val Arg Asp Ala Glu Asp Ala Leu His Asn Leu Asp Arg Lys Trp
                 65                  70                  75
Ile Cys Gly Arg Gln Ile Glu Ile Gln Phe Ala Gln Gly Asp Arg
                 80                  85                  90
Lys Thr Pro Asn Gln Met Lys Ala Lys Glu Gly Arg Asn Val Tyr
                 95                 100                 105
Ser Ser Ser Arg Tyr Asp Asp Tyr Asp Arg Tyr Arg Arg Ser Arg
                110                 115                 120
Ser Arg Ser Tyr Glu Arg Arg Arg Ser Arg Ser Arg Ser Phe Asp
                125                 130                 135
Tyr Asn Tyr Arg Arg Ser Tyr Ser Pro Arg Asn Ser Arg Pro Thr
                140                 145                 150
Gly Arg Pro Arg Arg Ser Arg Ser His Ser Asp Asn Asp Arg Pro
                155                 160                 165
Asn Cys Ser Trp Asn Thr Gln Tyr Ser Ser Ala Tyr Tyr Thr Ser
                170                 175                 180
Arg Lys Ile
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<210> 10
<211> 670
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 1315083CD1

<400> 10

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Met Ser His Leu Pro Met Lys Leu Leu Arg Lys Lys Ile Glu Lys
  1               5                  10                  15
Arg Asn Leu Lys Leu Arg Gln Arg Asn Leu Lys Phe Gln Gly Ala
             20                  25                  30
Ser Asn Leu Thr Leu Ser Glu Thr Gln Asn Gly Asp Val Ser Glu
             35                  40                  45
Glu Thr Met Gly Ser Arg Lys Val Lys Lys Ser Lys Gln Lys Pro
             50                  55                  60
Met Asn Val Gly Leu Ser Glu Thr Gln Asn Gly Gly Met Ser Gln
             65                  70                  75
Glu Ala Val Gly Asn Ile Lys Val Thr Lys Ser Pro Gln Lys Ser
             80                  85                  90
Thr Val Leu Thr Asn Gly Glu Ala Ala Met Gln Ser Ser Asn Ser
             95                 100                 105
Glu Ser Lys Lys Lys Lys Lys Lys Lys Arg Lys Met Val Asn Asp
            110                 115                 120
Ala Glu Pro Asp Thr Lys Lys Ala Lys Thr Glu Asn Lys Gly Lys
            125                 130                 135
Ser Glu Glu Glu Ser Ala Glu Thr Thr Lys Glu Thr Glu Asn Asn
            140                 145                 150
Val Glu Lys Pro Asp Asn Asp Glu Asp Glu Ser Glu Val Pro Ser
            155                 160                 165
Leu Pro Leu Gly Leu Thr Gly Ala Phe Glu Asp Thr Ser Phe Ala
            170                 175                 180
Ser Leu Cys Asn Leu Val Asn Glu Asn Thr Leu Lys Ala Ile Lys
            185                 190                 195
Glu Met Gly Phe Thr Asn Met Thr Glu Ile Gln His Lys Ser Ile
            200                 205                 210
Arg Pro Leu Leu Glu Gly Arg Asp Leu Leu Ala Ala Ala Lys Thr
            215                 220                 225
Gly Ser Gly Lys Thr Leu Ala Phe Leu Ile Pro Ala Val Glu Leu
            230                 235                 240
Ile Val Lys Leu Arg Phe Met Pro Arg Asn Gly Thr Gly Val Leu
            245                 250                 255
Ile Leu Ser Pro Thr Arg Glu Leu Ala Met Gln Thr Phe Gly Val
            260                 265                 270
Leu Lys Glu Leu Met Thr His His Val His Thr Tyr Gly Leu Ile
            275                 280                 285
Met Gly Gly Ser Asn Arg Ser Ala Glu Ala Gln Lys Leu Gly Asn
            290                 295                 300
Gly Ile Asn Ile Ile Val Ala Thr Pro Gly Arg Leu Leu Asp His
            305                 310                 315
Met Gln Asn Thr Pro Gly Phe Met Tyr Lys Asn Leu Gln Cys Leu
            320                 325                 330
```

```
Val Ile Asp Glu Ala Asp Arg Ile Leu Asp Val Gly Phe Glu Glu
                335                 340                 345
Glu Leu Lys Gln Ile Ile Lys Leu Leu Pro Thr Arg Arg Gln Thr
                350                 355                 360
Met Leu Phe Ser Ala Thr Gln Thr Arg Lys Val Glu Asp Leu Ala
                365                 370                 375
Arg Ile Ser Leu Lys Lys Glu Pro Leu Tyr Val Gly Val Asp Asp
                380                 385                 390
Asp Lys Ala Asn Ala Thr Val Asp Gly Leu Glu Gln Gly Tyr Val
                395                 400                 405
Val Cys Pro Ser Glu Lys Arg Phe Leu Leu Leu Phe Thr Phe Leu
                410                 415                 420
Lys Lys Asn Arg Lys Lys Lys Leu Met Val Phe Phe Ser Ser Cys
                425                 430                 435
Met Ser Val Lys Tyr His Tyr Glu Leu Leu Asn Tyr Ile Asp Leu
                440                 445                 450
Pro Val Leu Ala Ile His Gly Lys Gln Lys Gln Asn Lys Arg Thr
                455                 460                 465
Thr Thr Phe Phe Gln Phe Cys Asn Ala Asp Ser Gly Thr Leu Leu
                470                 475                 480
Cys Thr Asp Val Ala Ala Arg Gly Leu Asp Ile Pro Glu Val Asp
                485                 490                 495
Trp Ile Val Gln Tyr Asp Pro Pro Asp Asp Pro Lys Glu Tyr Ile
                500                 505                 510
His Arg Val Gly Arg Thr Ala Arg Gly Leu Asn Gly Arg Gly His
                515                 520                 525
Ala Leu Leu Ile Leu Arg Pro Glu Glu Leu Gly Phe Leu Arg Tyr
                530                 535                 540
Leu Lys Gln Ser Lys Val Pro Leu Ser Glu Phe Asp Phe Ser Trp
                545                 550                 555
Ser Lys Ile Ser Asp Ile Gln Ser Gln Leu Glu Lys Leu Ile Glu
                560                 565                 570
Lys Asn Tyr Phe Leu His Lys Ser Ala Gln Glu Ala Tyr Lys Ser
                575                 580                 585
Tyr Ile Arg Ala Tyr Asp Ser His Ser Leu Lys Gln Ile Phe Asn
                590                 595                 600
Val Asn Asn Leu Asn Leu Pro Gln Val Ala Leu Ser Phe Gly Phe
                605                 610                 615
Lys Val Pro Pro Phe Val Asp Leu Asn Val Asn Ser Asn Glu Gly
                620                 625                 630
Lys Gln Lys Lys Arg Gly Gly Gly Gly Gly Phe Gly Tyr Gln Lys
                635                 640                 645
Thr Lys Lys Val Glu Lys Ser Lys Ile Phe Lys His Ile Ser Lys
                650                 655                 660
Lys Ser Ser Asp Ser Arg Gln Phe Ser His
                665                 670
```

<210> 11
<211> 452
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature

<223> Incyte Identification No.: 1444908CD1

<400> 11

```
Met Glu Phe Gln Ala Val Val Met Ala Val Gly Gly Gly Ser Arg
  1               5                  10                  15
Met Thr Asp Leu Thr Ser Ser Ile Pro Lys Pro Leu Leu Pro Val
             20                  25                  30
Gly Asn Lys Pro Leu Ile Trp Tyr Pro Leu Asn Leu Leu Glu Arg
             35                  40                  45
Val Gly Phe Glu Glu Val Ile Val Val Thr Thr Arg Asp Val Gln
             50                  55                  60
Lys Ala Leu Cys Ala Glu Phe Lys Met Lys Met Lys Pro Asp Ile
             65                  70                  75
Val Cys Ile Pro Asp Asp Ala Asp Met Gly Thr Ala Asp Ser Leu
             80                  85                  90
Arg Tyr Ile Tyr Pro Lys Leu Lys Thr Asp Val Leu Val Leu Ser
             95                 100                 105
Cys Asp Leu Ile Thr Asp Val Ala Leu His Glu Val Val Asp Leu
            110                 115                 120
Phe Arg Ala Tyr Asp Ala Ser Leu Ala Met Leu Met Arg Lys Gly
            125                 130                 135
Gln Asp Ser Ile Glu Pro Val Pro Gly Gln Lys Gly Lys Lys Lys
            140                 145                 150
Ala Val Glu Gln Arg Asp Phe Ile Gly Val Asp Ser Thr Gly Lys
            155                 160                 165
Arg Leu Leu Phe Met Ala Asn Glu Ala Asp Leu Asp Glu Glu Leu
            170                 175                 180
Val Ile Lys Gly Ser Ile Leu Gln Lys His Pro Arg Ile Arg Phe
            185                 190                 195
His Thr Gly Leu Val Asp Ala His Leu Tyr Cys Leu Lys Lys Tyr
            200                 205                 210
Ile Val Asp Phe Leu Met Glu Asn Gly Ser Ile Thr Ser Ile Arg
            215                 220                 225
Ser Glu Leu Ile Pro Tyr Leu Val Arg Lys Gln Phe Ser Ser Ala
            230                 235                 240
Ser Ser Gln Gln Gly Gln Glu Glu Lys Glu Glu Asp Leu Lys Lys
            245                 250                 255
Lys Glu Leu Lys Ser Leu Asp Ile Tyr Ser Phe Ile Lys Glu Ala
            260                 265                 270
Asn Thr Leu Asn Leu Ala Pro Tyr Asp Ala Cys Trp Asn Ala Cys
            275                 280                 285
Arg Gly Asp Arg Trp Glu Asp Leu Ser Arg Ser Gln Val Arg Cys
            290                 295                 300
Tyr Val His Ile Met Lys Glu Gly Leu Cys Ser Arg Val Ser Thr
            305                 310                 315
Leu Gly Leu Tyr Met Glu Ala Asn Arg Gln Val Pro Lys Leu Leu
            320                 325                 330
Ser Ala Leu Cys Pro Glu Glu Pro Pro Val His Ser Ser Ala Gln
            335                 340                 345
Ile Val Ser Lys His Leu Val Gly Val Asp Ser Leu Ile Gly Pro
            350                 355                 360
Glu Thr Gln Ile Gly Glu Lys Ser Ser Ile Lys Arg Ser Val Ile
            365                 370                 375
Gly Ser Ser Cys Leu Ile Lys Asp Arg Val Thr Ile Thr Asn Cys
            380                 385                 390
Leu Leu Met Asn Ser Val Thr Val Glu Glu Gly Ser Asn Ile Gln
            395                 400                 405
```

```
Gly Ser Val Ile Cys Asn Asn Ala Val Ile Glu Lys Gly Ala Asp
                410                 415                 420
Ile Lys Asp Cys Leu Ile Gly Ser Gly Gln Arg Ile Glu Ala Lys
                425                 430                 435
Ala Lys Arg Val Asn Glu Val Ile Val Gly Asn Asp Gln Leu Met
                440                 445                 450
Glu Ile
```

<210> 12
<211> 748
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 1557481CD1

<400> 12

```
Met Ala Asp Ser Ser Gly Gln Gln Gly Lys Gly Arg Arg Val Gln
  1                 5                  10                  15
Pro Gln Trp Ser Pro Pro Ala Gly Thr Gln Pro Cys Arg Leu His
                 20                  25                  30
Leu Tyr Asn Ser Leu Thr Arg Asn Lys Glu Val Phe Ile Pro Gln
                 35                  40                  45
Asp Gly Lys Lys Val Thr Trp Tyr Cys Cys Gly Pro Thr Val Tyr
                 50                  55                  60
Asp Ala Ser His Met Gly His Ala Arg Ser Tyr Ile Ser Phe Asp
                 65                  70                  75
Ile Leu Arg Arg Val Leu Lys Asp Tyr Phe Lys Phe Asp Val Phe
                 80                  85                  90
Tyr Cys Met Asn Ile Thr Asp Ile Asp Asp Lys Ile Ile Lys Arg
                 95                 100                 105
Ala Arg Gln Asn His Leu Phe Glu Gln Tyr Arg Glu Lys Arg Pro
                110                 115                 120
Glu Ala Ala Gln Leu Leu Glu Asp Val Gln Ala Ala Leu Lys Pro
                125                 130                 135
Phe Ser Val Lys Leu Asn Glu Thr Thr Asp Pro Asp Lys Lys Gln
                140                 145                 150
Met Leu Glu Arg Ile Gln His Ala Val Gln Leu Ala Thr Glu Pro
                155                 160                 165
Leu Glu Lys Ala Val Gln Ser Arg Leu Thr Gly Glu Glu Val Asn
                170                 175                 180
Ser Cys Val Glu Val Leu Leu Glu Glu Ala Lys Asp Leu Leu Ser
                185                 190                 195
Asp Trp Leu Asp Ser Thr Leu Gly Cys Asp Val Thr Asp Asn Ser
                200                 205                 210
Ile Phe Ser Lys Leu Pro Lys Phe Trp Glu Gly Asp Phe His Arg
                215                 220                 225
Asp Met Glu Ala Leu Asn Val Leu Pro Pro Asp Val Leu Thr Arg
                230                 235                 240
Val Ser Glu Tyr Val Pro Glu Ile Val Asn Phe Val Gln Lys Ile
                245                 250                 255
Val Asp Asn Gly Tyr Gly Tyr Val Ser Asn Gly Ser Val Tyr Phe
                260                 265                 270
```

```
Asp Thr Ala Lys Phe Ala Ser Ser Glu Lys His Ser Tyr Gly Lys
                275                 280                 285
Leu Val Pro Glu Ala Val Gly Asp Gln Lys Ala Leu Gln Glu Gly
                290                 295                 300
Glu Gly Asp Leu Ser Ile Ser Ala Asp Arg Leu Ser Glu Lys Arg
                305                 310                 315
Ser Pro Asn Asp Phe Ala Leu Trp Lys Ala Ser Lys Pro Gly Glu
                320                 325                 330
Pro Ser Trp Pro Cys Pro Trp Gly Lys Gly Arg Pro Gly Trp His
                335                 340                 345
Ile Glu Cys Ser Ala Met Ala Gly Thr Leu Leu Gly Ala Ser Met
                350                 355                 360
Asp Ile His Gly Gly Gly Phe Asp Leu Arg Phe Pro His His Asp
                365                 370                 375
Asn Glu Leu Ala Gln Ser Glu Ala Tyr Phe Glu Asn Asp Cys Trp
                380                 385                 390
Val Arg Tyr Phe Leu His Thr Gly His Leu Thr Ile Ala Gly Cys
                395                 400                 405
Lys Met Ser Lys Ser Leu Lys Asn Phe Ile Thr Ile Lys Asp Ala
                410                 415                 420
Leu Lys Lys His Ser Ala Arg Gln Leu Arg Leu Ala Phe Leu Met
                425                 430                 435
His Ser Trp Lys Asp Thr Leu Asp Tyr Ser Ser Asn Thr Met Glu
                440                 445                 450
Ser Ala Leu Gln Tyr Glu Lys Phe Leu Asn Glu Phe Phe Leu Asn
                455                 460                 465
Val Lys Asp Ile Leu Arg Ala Pro Val Asp Ile Thr Gly Gln Phe
                470                 475                 480
Glu Lys Trp Gly Glu Glu Glu Ala Glu Leu Asn Lys Asn Phe Tyr
                485                 490                 495
Asp Lys Lys Thr Ala Ile His Lys Ala Leu Cys Asp Asn Val Asp
                500                 505                 510
Thr Arg Thr Val Met Glu Glu Met Arg Ala Leu Val Ser Gln Cys
                515                 520                 525
Asn Leu Tyr Met Ala Ala Arg Lys Ala Val Arg Lys Arg Pro Asn
                530                 535                 540
Gln Ala Leu Leu Glu Asn Ile Ala Leu Tyr Leu Thr His Met Leu
                545                 550                 555
Lys Ile Phe Gly Ala Val Glu Glu Asp Ser Ser Leu Gly Phe Pro
                560                 565                 570
Val Gly Gly Pro Gly Thr Ser Leu Ser Leu Glu Ala Thr Val Met
                575                 580                 585
Pro Tyr Leu Gln Val Leu Ser Glu Phe Arg Glu Gly Val Arg Lys
                590                 595                 600
Ile Ala Arg Glu Gln Lys Val Pro Glu Ile Leu Gln Leu Ser Asp
                605                 610                 615
Ala Leu Arg Asp Asn Ile Leu Pro Glu Leu Gly Val Arg Phe Glu
                620                 625                 630
Asp His Glu Gly Leu Pro Thr Val Val Lys Leu Val Asp Arg Asn
                635                 640                 645
Thr Leu Leu Lys Glu Arg Glu Glu Lys Arg Arg Val Glu Glu Glu
                650                 655                 660
Lys Arg Lys Lys Lys Glu Glu Ala Ala Arg Arg Lys Gln Glu Gln
                665                 670                 675
Glu Ala Ala Lys Leu Ala Lys Met Lys Ile Pro Pro Ser Glu Met
                680                 685                 690
Phe Leu Ser Glu Thr Asp Lys Tyr Ser Lys Phe Asp Glu Asn Gly
```

```
                695                 700                 705
Leu Pro Thr His Asp Met Glu Gly Lys Glu Leu Ser Lys Gly Gln
                710                 715                 720
Ala Lys Lys Leu Lys Lys Leu Phe Glu Ala Gln Glu Lys Leu Tyr
                725                 730                 735
Lys Glu Tyr Leu Gln Met Ala Gln Asn Gly Ser Phe Gln
                740                 745
```

<210> 13
<211> 328
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 1747456CD1

<400> 13

```
Met Glu Ala Asn Gly Ser Gln Gly Thr Ser Gly Ser Ala Asn Asp
  1                 5                  10                  15
Ser Gln His Asp Pro Gly Lys Met Phe Ile Gly Gly Leu Ser Trp
                 20                  25                  30
Gln Thr Ser Pro Asp Ser Leu Arg Asp Tyr Phe Ser Lys Phe Gly
                 35                  40                  45
Glu Ile Arg Glu Cys Met Val Met Arg Asp Pro Thr Thr Lys Arg
                 50                  55                  60
Ser Arg Gly Phe Gly Phe Val Thr Phe Ala Asp Pro Ala Ser Val
                 65                  70                  75
Asp Lys Val Leu Gly Gln Pro His His Glu Leu Asp Ser Lys Thr
                 80                  85                  90
Ile Asp Pro Lys Val Ala Phe Pro Arg Arg Ala Gln Pro Lys Met
                 95                 100                 105
Val Thr Arg Thr Lys Lys Ile Phe Val Gly Gly Leu Ser Ala Asn
                110                 115                 120
Thr Val Val Glu Asp Val Lys Gln Tyr Phe Glu Gln Phe Gly Lys
                125                 130                 135
Val Glu Asp Ala Met Leu Met Phe Asp Lys Thr Thr Asn Arg His
                140                 145                 150
Arg Gly Phe Gly Phe Val Thr Phe Glu Asn Glu Asp Val Val Glu
                155                 160                 165
Lys Val Cys Glu Ile His Phe His Glu Ile Asn Asn Lys Met Val
                170                 175                 180
Glu Cys Lys Lys Ala Gln Pro Lys Glu Val Met Phe Pro Pro Gly
                185                 190                 195
Thr Arg Gly Arg Ala Arg Gly Leu Pro Tyr Thr Met Asp Ala Phe
                200                 205                 210
Met Leu Gly Met Gly Met Leu Gly Tyr Pro Asn Phe Val Ala Thr
                215                 220                 225
Tyr Gly Arg Gly Tyr Pro Gly Phe Ala Pro Ser Tyr Gly Tyr Gln
                230                 235                 240
Phe Pro Gly Phe Pro Ala Ala Ala Tyr Gly Pro Val Ala Ala Ala
                245                 250                 255
Ala Val Ala Ala Ala Arg Gly Ser Gly Ser Asn Pro Ala Arg Pro
                260                 265                 270
```

Gly Gly Phe Pro Gly Ala Asn Ser Pro Gly Pro Val Ala Asp Leu
275 280 285
Tyr Gly Pro Ala Ser Gln Asp Ser Gly Val Gly Asn Tyr Ile Ser
290 295 300
Ala Ala Ser Pro Gln Pro Gly Ser Gly Phe Gly His Gly Ile Ala
305 310 315
Gly Pro Leu Ile Ala Thr Ala Phe Thr Asn Gly Tyr His
320 325

<210> 14
<211> 563
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 1748626CD1

<400> 14
Met Pro Glu Asp Asp Gln Arg Ala Thr Arg Asn Leu Phe Ile Gly
1 5 10 15
Asn Leu Asp His Ser Val Ser Glu Val Glu Leu Arg Arg Ala Phe
20 25 30
Glu Lys Tyr Gly Ile Ile Glu Glu Val Val Ile Lys Arg Pro Ala
35 40 45
Arg Gly Gln Gly Gly Ala Tyr Ala Phe Leu Lys Phe Gln Asn Leu
50 55 60
Asp Met Ala His Arg Ala Lys Val Ala Met Ser Gly Arg Val Ile
65 70 75
Gly Arg Asn Pro Ile Lys Ile Gly Tyr Gly Lys Ala Asn Pro Thr
80 85 90
Thr Arg Leu Trp Val Gly Gly Leu Gly Pro Asn Thr Ser Leu Ala
95 100 105
Ala Leu Ala Arg Glu Phe Asp Arg Phe Gly Ser Ile Arg Thr Ile
110 115 120
Asp His Val Lys Gly Asp Ser Phe Ala Tyr Ile Gln Tyr Glu Ser
125 130 135
Leu Asp Ala Ala Gln Ala Ala Cys Ala Lys Met Arg Gly Phe Pro
140 145 150
Leu Gly Gly Pro Asp Arg Arg Leu Arg Val Asp Phe Ala Lys Ala
155 160 165
Glu Glu Thr Arg Tyr Pro Gln Gln Tyr Gln Pro Ser Pro Leu Pro
170 175 180
Val His Tyr Glu Leu Leu Thr Asp Gly Tyr Thr Arg His Arg Asn
185 190 195
Leu Asp Ala Asp Leu Val Arg Asp Arg Thr Pro Pro His Leu Leu
200 205 210
Tyr Ser Asp Arg Asp Arg Thr Phe Leu Glu Gly Asp Trp Thr Ser
215 220 225
Pro Ser Lys Ser Ser Asp Arg Arg Asn Ser Leu Glu Gly Tyr Ser
230 235 240
Arg Ser Val Arg Ser Arg Ser Gly Glu Arg Trp Gly Ala Asp Gly
245 250 255
Asp Arg Gly Leu Pro Lys Pro Trp Glu Glu Arg Arg Lys Arg Arg

260 265 270
Ser Leu Ser Ser Asp Arg Gly Arg Thr Thr His Ser Pro Tyr Glu
275 280 285
Glu Arg Ser Arg Thr Lys Gly Ser Gly Gln Gln Ser Glu Arg Gly
290 295 300
Ser Asp Arg Thr Pro Glu Arg Ser Arg Lys Glu Asn His Ser Ser
305 310 315
Glu Gly Thr Lys Glu Ser Ser Ser Asn Ser Leu Ser Asn Ser Arg
320 325 330
His Gly Ala Glu Glu Arg Gly His His His His His His Glu Ala
335 340 345
Ala Asp Ser Ser His Gly Lys Lys Ala Arg Asp Ser Glu Arg Asn
350 355 360
His Arg Thr Thr Glu Ala Glu Pro Lys Pro Leu Glu Glu Pro Lys
365 370 375
His Glu Thr Lys Lys Leu Lys Asn Leu Ser Glu Tyr Ala Gln Thr
380 385 390
Leu Gln Leu Gly Trp Asn Gly Leu Leu Val Leu Lys Asn Ser Cys
395 400 405
Phe Pro Thr Ser Met His Ile Leu Glu Gly Asp Gln Gly Val Ile
410 415 420
Ser Ser Leu Leu Lys Asp His Thr Ser Gly Ser Lys Leu Thr Gln
425 430 435
Leu Lys Ile Ala Gln Arg Leu Arg Leu Asp Gln Pro Lys Leu Asp
440 445 450
Glu Val Thr Arg Arg Ile Lys Gln Gly Ser Pro Asn Gly Tyr Ala
455 460 465
Val Leu Leu Ala Thr Gln Ala Thr Pro Ser Gly Leu Gly Thr Glu
470 475 480
Gly Met Pro Thr Val Glu Pro Gly Leu Gln Arg Arg Leu Leu Arg
485 490 495
Asn Leu Val Ser Tyr Leu Lys Gln Lys Gln Ala Ala Gly Val Ile
500 505 510
Ser Leu Pro Val Gly Gly Ser Lys Gly Arg Asp Gly Thr Gly Met
515 520 525
Leu Tyr Ala Phe Pro Pro Cys Asp Phe Ser Gln Gln Tyr Leu Gln
530 535 540
Ser Ala Leu Arg Thr Leu Gly Lys Leu Glu Glu Glu His Met Val
545 550 555
Ile Val Ile Val Arg Asp Thr Ala
560

<210> 15
<211> 153
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 1879135CD1

<400> 15
Met Met Ser Gln Ser Gly His Glu Tyr Asp Pro Ile Asn Tyr Met
1 5 10 15

```
Lys Lys Pro Leu Gly Pro Pro Pro Pro Ser Tyr Thr Cys Phe Arg
                20                  25                  30
Cys Gly Lys Pro Gly His Tyr Ile Lys Asn Cys Pro Thr Asn Gly
                35                  40                  45
Asp Lys Asn Phe Glu Ser Gly Pro Arg Ile Lys Lys Ser Thr Gly
                50                  55                  60
Ile Pro Arg Ser Phe Met Met Glu Val Lys Asp Pro Asn Met Lys
                65                  70                  75
Gly Ala Met Leu Thr Asn Thr Gly Lys Tyr Ala Ile Pro Thr Ile
                80                  85                  90
Asp Ala Glu Ala Tyr Ala Ile Gly Lys Lys Glu Lys Pro Pro Phe
                95                 100                 105
Leu Pro Glu Glu Pro Ser Ser Ser Ser Glu Glu Asp Asp Pro Ile
               110                 115                 120
Pro Asp Glu Leu Leu Cys Leu Ile Cys Lys Asp Ile Met Thr Asp
               125                 130                 135
Ala Val Val Ile Pro Cys Cys Gly Asn Ser Tyr Cys Asp Glu Cys
               140                 145                 150
Lys Lys Cys
```

<210> 16
<211> 286
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 2073417CD1

<400> 16

```
Met Ser Trp Leu Leu Phe Leu Ala His Arg Val Ala Leu Ala Ala
  1                 5                  10                  15
Leu Pro Cys Arg Arg Gly Ser Arg Gly Phe Gly Met Phe Tyr Ala
                20                  25                  30
Val Arg Arg Gly Arg Lys Thr Gly Val Phe Leu Thr Trp Asn Glu
                35                  40                  45
Cys Arg Ala Gln Val Asp Arg Phe Pro Ala Ala Arg Phe Lys Lys
                50                  55                  60
Phe Ala Thr Glu Asp Glu Ala Trp Ala Phe Val Arg Lys Ser Ala
                65                  70                  75
Ser Pro Glu Val Ser Glu Gly His Glu Asn Gln His Gly Gln Glu
                80                  85                  90
Ser Glu Ala Lys Ala Ser Lys Arg Leu Arg Glu Pro Leu Asp Gly
                95                 100                 105
Asp Gly His Glu Ser Ala Glu Pro Tyr Ala Lys His Met Lys Pro
               110                 115                 120
Ser Met Glu Pro Ala Pro Pro Val Ser Arg Asp Thr Phe Ser Tyr
               125                 130                 135
Met Gly Asp Phe Val Val Val Tyr Thr Asp Gly Cys Cys Ser Ser
               140                 145                 150
Asn Gly Arg Arg Arg Pro Arg Ala Gly Ile Gly Val Tyr Trp Gly
               155                 160                 165
Pro Gly His Pro Leu Asn Val Gly Ile Arg Leu Pro Gly Arg Gln
               170                 175                 180
```

```
Thr Asn Gln Arg Ala Glu Ile His Ala Ala Cys Lys Ala Ile Glu
                185                 190                 195
Gln Ala Lys Thr Gln Asn Ile Asn Lys Leu Val Leu Tyr Thr Asp
                200                 205                 210
Ser Met Phe Thr Ile Asn Gly Ile Thr Asn Trp Val Gln Gly Trp
                215                 220                 225
Lys Lys Asn Gly Trp Lys Thr Ser Ala Gly Lys Glu Val Ile Asn
                230                 235                 240
Lys Glu Asp Phe Val Ala Leu Glu Arg Leu Thr Gln Gly Met Asp
                245                 250                 255
Ile Gln Trp Met His Val Pro Gly His Ser Gly Phe Ile Gly Asn
                260                 265                 270
Glu Glu Ala Asp Arg Leu Ala Arg Glu Gly Ala Lys Gln Ser Glu
                275                 280                 285
Asp
```

<210> 17
<211> 537
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 2129080CD1

<400> 17

```
Met Leu Ala Arg Glu Thr Tyr Glu Glu Asp Arg Glu Tyr Glu Ser
  1               5                  10                  15
Gln Ala Lys Arg Leu Lys Thr Glu Glu Gly Glu Ile Asp Tyr Ser
                20                  25                  30
Ala Glu Glu Gly Glu Asn Arg Arg Glu Ala Thr Pro Arg Gly Gly
                35                  40                  45
Gly Asp Gly Gly Gly Gly Gly Arg Ser Phe Ser Gln Pro Glu Ala
                50                  55                  60
Gly Gly Ser His His Lys Val Ser Val Ser Pro Val Val His Val
                65                  70                  75
Arg Gly Leu Cys Glu Ser Val Val Glu Ala Asp Leu Val Glu Ala
                80                  85                  90
Leu Glu Lys Phe Gly Thr Ile Cys Tyr Val Met Met Met Pro Phe
                95                 100                 105
Lys Arg Gln Ala Leu Val Glu Phe Glu Asn Ile Asp Ser Ala Lys
                110                 115                 120
Glu Cys Val Thr Phe Ala Ala Asp Glu Pro Val Tyr Ile Ala Gly
                125                 130                 135
Gln Gln Ala Phe Phe Asn Tyr Ser Thr Ser Lys Arg Ile Thr Arg
                140                 145                 150
Pro Gly Asn Thr Asp Asp Pro Ser Gly Gly Asn Lys Val Leu Leu
                155                 160                 165
Leu Ser Ile Gln Asn Pro Leu Tyr Pro Ile Thr Val Asp Val Leu
                170                 175                 180
Tyr Thr Val Cys Asn Pro Val Gly Lys Val Gln Arg Ile Val Ile
                185                 190                 195
Phe Lys Arg Asn Gly Ile Gln Ala Met Val Glu Phe Glu Ser Val
                200                 205                 210
```

```
Leu Cys Ala Gln Lys Ala Lys Ala Ala Leu Asn Gly Ala Asp Ile
                215                 220                 225
Tyr Ala Gly Cys Cys Thr Leu Lys Ile Glu Tyr Ala Arg Pro Thr
                230                 235                 240
Arg Leu Asn Val Ile Arg Asn Asp Asn Asp Ser Trp Asp Tyr Thr
                245                 250                 255
Lys Pro Tyr Leu Gly Arg Arg Asp Arg Gly Lys Gly Arg Gln Arg
                260                 265                 270
Gln Ala Ile Leu Gly Glu His Pro Ser Ser Phe Arg His Asp Gly
                275                 280                 285
Tyr Gly Ser His Gly Pro Leu Leu Pro Leu Pro Ser Arg Tyr Arg
                290                 295                 300
Met Gly Ser Arg Asp Thr Pro Glu Leu Val Ala Tyr Pro Leu Pro
                305                 310                 315
Gln Ala Ser Ser Ser Tyr Met His Gly Gly Asn Pro Ser Gly Ser
                320                 325                 330
Val Val Met Val Ser Gly Leu His Gln Leu Lys Met Asn Cys Ser
                335                 340                 345
Arg Val Phe Asn Leu Phe Cys Leu Tyr Gly Asn Ile Glu Lys Val
                350                 355                 360
Lys Phe Met Lys Thr Ile Pro Gly Thr Ala Leu Val Glu Met Gly
                365                 370                 375
Asp Glu Tyr Ala Val Glu Arg Ala Val Thr His Leu Asn Asn Val
                380                 385                 390
Lys Leu Phe Gly Lys Arg Leu Asn Val Cys Val Ser Lys Gln His
                395                 400                 405
Ser Val Val Pro Ser Gln Ile Phe Glu Leu Glu Asp Gly Thr Ser
                410                 415                 420
Ser Tyr Lys Asp Phe Ala Met Ser Lys Asn Asn Arg Phe Thr Ser
                425                 430                 435
Ala Gly Gln Ala Ser Lys Asn Ile Ile Gln Pro Pro Ser Cys Val
                440                 445                 450
Leu His Tyr Tyr Asn Val Pro Leu Cys Val Thr Glu Glu Thr Phe
                455                 460                 465
Thr Lys Leu Cys Asn Asp His Glu Val Leu Thr Phe Ile Lys Tyr
                470                 475                 480
Lys Val Phe Asp Ala Lys Pro Ser Ala Lys Thr Leu Ser Gly Leu
                485                 490                 495
Leu Glu Trp Glu Cys Lys Thr Asp Ala Val Glu Ala Leu Thr Ala
                500                 505                 510
Leu Asn His Tyr Gln Ile Arg Val Pro Asn Gly Ser Asn Pro Tyr
                515                 520                 525
Thr Leu Lys Leu Cys Phe Ser Thr Ser Ser His Leu
                530                 535
```

<210> 18
<211> 163
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 2472867CD1

<400> 18
Met Arg Ile Glu Lys Cys Tyr Phe Cys Ser Gly Pro Ile Tyr Pro
1 5 10 15
Gly His Gly Met Met Phe Val Arg Asn Asp Cys Lys Val Phe Arg
20 25 30
Phe Cys Lys Ser Lys Cys His Lys Asn Phe Lys Lys Lys Arg Asn
35 40 45
Pro Arg Lys Val Arg Trp Thr Lys Ala Phe Arg Lys Ala Ala Gly
50 55 60
Lys Glu Leu Thr Val Asp Asn Ser Phe Glu Phe Glu Lys Arg Arg
65 70 75
Asn Glu Pro Ile Lys Tyr Gln Arg Glu Leu Trp Asn Lys Thr Ile
80 85 90
Asp Ala Met Lys Arg Val Glu Glu Ile Lys Gln Lys Arg Gln Ala
95 100 105
Lys Phe Ile Met Asn Arg Leu Lys Lys Asn Lys Glu Leu Gln Lys
110 115 120
Val Gln Asp Ile Lys Glu Val Lys Gln Asn Ile His Leu Ile Arg
125 130 135
Ala Pro Leu Ala Gly Lys Gly Lys Gln Leu Glu Glu Lys Met Val
140 145 150
Gln Gln Leu Gln Glu Asp Val Asp Met Glu Asp Ala Pro
155 160

<210> 19
<211> 178
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 2764755CD1

<400> 19
Met Ser Ser Phe Ser Arg Ala Pro Gln Gln Trp Ala Thr Phe Ala
1 5 10 15
Arg Ile Trp Tyr Leu Leu Asp Gly Lys Met Gln Pro Pro Gly Lys
20 25 30
Leu Ala Ala Met Ala Ser Ile Arg Leu Gln Gly Leu His Lys Pro
35 40 45
Val Tyr His Ala Leu Ser Asp Cys Gly Asp His Val Val Ile Met
50 55 60
Asn Thr Arg His Ile Ala Phe Ser Gly Asn Lys Trp Glu Gln Lys
65 70 75
Val Tyr Ser Ser His Thr Gly Tyr Pro Gly Gly Phe Arg Gln Val
80 85 90
Thr Ala Ala Gln Leu His Leu Arg Asp Pro Val Ala Ile Val Lys
95 100 105
Leu Ala Ile Tyr Gly Met Leu Pro Lys Asn Leu His Arg Arg Thr
110 115 120
Met Met Glu Arg Leu His Leu Phe Pro Asp Glu Tyr Ile Pro Glu
125 130 135
Asp Ile Leu Lys Asn Leu Val Glu Glu Leu Pro Gln Pro Arg Lys
140 145 150

```
Ile Pro Lys Arg Leu Asp Glu Tyr Thr Gln Glu Glu Ile Asp Ala
                155                 160                 165
Phe Pro Arg Leu Trp Thr Pro Pro Glu Asp Tyr Arg Leu
                170                 175
```

<210> 20
<211> 140
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 2875939CD1

<400> 20

```
Met Ala Glu Asn Arg Glu Pro Arg Gly Ala Val Glu Ala Glu Leu
  1                 5                  10                  15
Asp Pro Val Glu Tyr Thr Leu Arg Lys Arg Leu Pro Ser Arg Leu
                 20                  25                  30
Pro Arg Arg Pro Asn Asp Ile Tyr Val Asn Met Lys Thr Asp Phe
                 35                  40                  45
Lys Ala Gln Leu Ala Arg Cys Gln Lys Leu Leu Asp Gly Gly Ala
                 50                  55                  60
Arg Gly Gln Asn Ala Cys Ser Glu Ile Tyr Ile His Gly Leu Gly
                 65                  70                  75
Leu Ala Ile Asn Arg Ala Ile Asn Ile Ala Leu Gln Leu Gln Ala
                 80                  85                  90
Gly Ser Phe Gly Ser Leu Gln Val Ala Ala Asn Thr Ser Thr Val
                 95                 100                 105
Glu Leu Val Asp Glu Leu Glu Pro Glu Thr Asp Thr Arg Glu Pro
                110                 115                 120
Leu Thr Arg Ile Arg Asn Asn Ser Ala Ile His Ile Arg Val Phe
                125                 130                 135
Arg Val Thr Pro Lys
                140
```

<210> 21
<211> 209
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 3591363CD1

<400> 21

```
Met Ala Ala Ala Met Ala Ala Ser Ser Leu Thr Val Thr Leu Gly
  1                 5                  10                  15
Arg Leu Ala Ser Ala Cys Ser His Ser Ile Leu Arg Pro Ser Gly
                 20                  25                  30
Pro Gly Ala Ala Ser Leu Trp Ser Ala Ser Arg Arg Phe Asn Ser
```

```
                35                  40                  45
Gln Ser Thr Ser Tyr Leu Pro Gly Tyr Val Pro Lys Thr Ser Leu
                50                  55                  60
Ser Ser Pro Pro Trp Pro Glu Val Val Leu Pro Asp Pro Val Glu
                65                  70                  75
Glu Thr Arg His His Ala Glu Val Val Lys Lys Val Asn Glu Met
                80                  85                  90
Ile Val Thr Gly Gln Tyr Gly Arg Leu Phe Ala Val Val His Phe
                95                 100                 105
Ala Ser Arg Gln Trp Lys Val Thr Ser Glu Asp Leu Ile Leu Ile
               110                 115                 120
Gly Asn Glu Leu Asp Leu Ala Cys Gly Glu Arg Ile Arg Leu Glu
               125                 130                 135
Lys Val Leu Leu Val Gly Ala Asp Asn Phe Thr Leu Leu Gly Lys
               140                 145                 150
Pro Leu Leu Gly Lys Asp Leu Val Arg Val Glu Ala Thr Val Ile
               155                 160                 165
Glu Lys Thr Glu Ser Trp Pro Arg Ile Ile Met Arg Phe Arg Lys
               170                 175                 180
Arg Lys Asn Phe Lys Lys Lys Arg Ile Val Thr Thr Pro Gln Thr
               185                 190                 195
Val Leu Arg Ile Asn Ser Ile Glu Ile Ala Pro Cys Leu Leu
               200                 205
```

<210> 22
<211> 162
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 3702292CD1

```
<400> 22
Met Ala Pro Lys Ala Lys Glu Ala Pro Ala His Pro Lys Ala Glu
  1               5                  10                  15
Ala Lys Ala Lys Ala Leu Lys Ala Lys Lys Ala Val Leu Lys Gly
               20                  25                  30
Val Arg Ser His Thr Gln Lys Gln Lys Ile Arg Met Ser Leu Thr
               35                  40                  45
Phe Arg Arg Pro Lys Thr Leu Arg Leu Arg Arg Gln Pro Arg Tyr
               50                  55                  60
Pro Arg Lys Ser Thr Pro Arg Arg Asn Lys Leu Gly His Tyr Ala
               65                  70                  75
Ile Ile Lys Phe Pro Leu Ala Thr Glu Ser Ala Val Lys Lys Ile
               80                  85                  90
Glu Glu Asn Asn Thr Leu Val Phe Thr Val Asp Val Lys Ala Asn
               95                 100                 105
Lys His Gln Ile Arg Gln Ala Val Lys Lys Leu Tyr Asp Ser Asp
              110                 115                 120
Val Ala Lys Val Thr Thr Leu Ile Cys Pro Asp Lys Glu Asn Lys
              125                 130                 135
Ala Tyr Val Arg Leu Ala Pro Asp Tyr Asp Ala Phe Asp Val Val
              140                 145                 150
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Thr Lys Leu Gly Ser Pro Lys Leu Ser Pro Ala Gly
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<210> 23
<211> 623
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 3778908CD1

<400> 23

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Asp Thr Thr Ser Ala Val Ile His Ser Glu Asn Phe Gln Thr Leu
                20                  25                  30
Leu Asp Ala Gly Leu Pro Gln Lys Val Ala Glu Lys Leu Asp Glu
                35                  40                  45
Ile Tyr Val Ala Gly Leu Val Ala His Ser Asp Leu Asp Glu Arg
                50                  55                  60
Ala Ile Glu Ala Leu Lys Glu Phe Asn Glu Asp Gly Ala Leu Ala
                65                  70                  75
Val Leu Gln Gln Phe Lys Asp Ser Asp Leu Ser His Val Gln Asn
                80                  85                  90
Lys Ser Ala Phe Leu Cys Gly Val Met Lys Thr Tyr Arg Gln Arg
                95                 100                 105
Glu Lys Gln Gly Thr Lys Val Ala Asp Ser Ser Lys Gly Pro Asp
               110                 115                 120
Glu Ala Lys Ile Lys Ala Leu Leu Glu Arg Thr Gly Tyr Thr Leu
               125                 130                 135
Asp Val Thr Thr Gly Gln Arg Lys Tyr Gly Gly Pro Pro Pro Asp
               140                 145                 150
Ser Val Tyr Ser Gly Gln Gln Pro Ser Val Gly Thr Glu Ile Phe
               155                 160                 165
Val Gly Lys Ile Pro Arg Asp Leu Phe Glu Asp Glu Leu Val Pro
               170                 175                 180
Leu Phe Glu Lys Ala Gly Pro Ile Trp Asp Leu Arg Leu Met Met
               185                 190                 195
Asp Pro Leu Thr Gly Leu Asn Arg Gly Tyr Ala Phe Val Thr Phe
               200                 205                 210
Cys Thr Lys Glu Ala Ala Gln Glu Ala Val Lys Leu Tyr Asn Asn
               215                 220                 225
His Glu Ile Arg Ser Gly Lys His Ile Gly Val Cys Ile Ser Val
               230                 235                 240
Ala Asn Asn Arg Leu Phe Val Gly Ser Ile Pro Lys Ser Lys Thr
               245                 250                 255
Lys Glu Gln Ile Leu Glu Glu Phe Ser Lys Val Thr Glu Gly Leu
               260                 265                 270
Thr Asp Val Ile Leu Tyr His Gln Pro Asp Asp Lys Lys Lys Asn
               275                 280                 285
Arg Gly Phe Cys Phe Leu Glu Tyr Glu Asp His Lys Thr Ala Ala
               290                 295                 300
Gln Ala Arg Arg Arg Leu Met Ser Gly Lys Val Lys Val Trp Gly
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                305                 310                 315
Asn Val Gly Thr Val Glu Trp Ala Asp Pro Ile Glu Asp Pro Asp
                320                 325                 330
Pro Glu Val Met Ala Lys Val Lys Val Leu Phe Val Arg Asn Leu
                335                 340                 345
Ala Asn Thr Val Thr Glu Glu Ile Leu Glu Lys Ala Phe Ser Gln
                350                 355                 360
Phe Gly Lys Leu Glu Arg Val Lys Lys Leu Lys Asp Tyr Ala Phe
                365                 370                 375
Ile His Phe Asp Glu Arg Asp Gly Ala Val Lys Ala Met Glu Glu
                380                 385                 390
Met Asn Gly Lys Asp Leu Glu Gly Glu Asn Ile Glu Ile Val Phe
                395                 400                 405
Ala Lys Pro Pro Asp Gln Lys Arg Lys Glu Arg Lys Ala Gln Arg
                410                 415                 420
Gln Ala Ala Lys Asn Gln Met Tyr Asp Asp Tyr Tyr Tyr Tyr Gly
                425                 430                 435
Pro Pro His Met Pro Pro Pro Thr Arg Gly Arg Gly Arg Gly Gly
                440                 445                 450
Arg Gly Gly Tyr Gly Tyr Pro Pro Asp Tyr Tyr Gly Tyr Glu Asp
                455                 460                 465
Tyr Tyr Asp Tyr Tyr Gly Tyr Asp Tyr His Asn Tyr Arg Gly Gly
                470                 475                 480
Tyr Glu Asp Pro Tyr Tyr Gly Tyr Glu Asp Phe Gln Val Gly Ala
                485                 490                 495
Arg Gly Arg Gly Gly Arg Gly Ala Arg Gly Ala Ala Pro Ser Arg
                500                 505                 510
Gly Arg Gly Ala Ala Pro Pro Arg Gly Arg Ala Gly Tyr Ser Gln
                515                 520                 525
Arg Gly Gly Pro Gly Ser Ala Arg Gly Val Arg Gly Ala Arg Gly
                530                 535                 540
Gly Ala Gln Gln Gln Arg Gly Arg Gly Val Arg Gly Ala Arg Gly
                545                 550                 555
Gly Arg Gly Gly Asn Val Gly Gly Lys Arg Lys Ala Asp Gly Tyr
                560                 565                 570
Asn Gln Pro Asp Ser Lys Arg Arg Gln Thr Asn Asn Gln Asn Trp
                575                 580                 585
Gly Ser Gln Pro Ile Ala Gln Gln Pro Leu Gln Gly Gly Asp His
                590                 595                 600
Ser Gly Asn Tyr Gly Tyr Lys Ser Glu Asn Gln Glu Phe Tyr Gln
                605                 610                 615
Asp Thr Phe Gly Gln Gln Trp Lys
                620
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<210> 24
<211> 786
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 4163642CD1

<400> 24

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            20                  25                  30
His Phe Gly Pro Phe Pro Gly Val Leu Gly Gln Val Ser Val Leu
        35                  40                  45
Ala Thr Ala Ser Ser Ser Ala Ser Gly Gly Ser Lys Ile Pro Asn
    50                  55                  60
Thr Ser Leu Phe Val Pro Leu Thr Val Lys Pro Gln Gly Pro Ser
65                  70                  75
Ala Asp Gly Asp Val Gly Ala Glu Leu Thr Arg Pro Leu Asp Lys
            80                  85                  90
Asn Glu Val Lys Lys Val Leu Asp Lys Phe Tyr Lys Arg Lys Glu
        95                  100                 105
Ile Gln Lys Leu Gly Ala Asp Tyr Gly Leu Asp Ala Arg Leu Phe
    110                 115                 120
His Gln Ala Phe Ile Ser Phe Arg Asn Tyr Ile Met Gln Ser His
125                 130                 135
Ser Leu Asp Val Asp Ile His Ile Val Leu Asn Asp Ile Cys Phe
            140                 145                 150
Gly Ala Ala His Ala Asp Asp Leu Phe Pro Phe Phe Leu Arg His
        155                 160                 165
Ala Lys Gln Ile Phe Pro Val Leu Asp Cys Lys Asp Asp Leu Arg
    170                 175                 180
Lys Ile Ser Asp Leu Arg Ile Pro Pro Asn Trp Tyr Pro Asp Ala
185                 190                 195
Arg Ala Met Gln Arg Lys Ile Ile Phe His Ser Gly Pro Thr Asn
            200                 205                 210
Ser Gly Lys Thr Tyr His Ala Ile Gln Lys Tyr Phe Ser Ala Lys
        215                 220                 225
Ser Gly Val Tyr Cys Gly Pro Leu Lys Leu Leu Ala His Glu Ile
    230                 235                 240
Phe Glu Lys Ser Asn Ala Ala Gly Val Pro Cys Asp Leu Val Thr
245                 250                 255
Gly Glu Glu Arg Val Thr Val Gln Pro Asn Gly Lys Gln Ala Ser
            260                 265                 270
His Val Ser Cys Thr Val Glu Met Cys Ser Val Thr Thr Pro Tyr
        275                 280                 285
Glu Val Ala Val Ile Asp Glu Ile Gln Met Ile Arg Asp Pro Ala
    290                 295                 300
Arg Gly Trp Ala Trp Thr Arg Ala Leu Leu Gly Leu Cys Ala Glu
305                 310                 315
Glu Val His Leu Cys Gly Glu Pro Ala Ala Ile Asp Leu Val Met
            320                 325                 330
Glu Leu Met Tyr Thr Thr Gly Glu Glu Val Glu Val Arg Asp Tyr
        335                 340                 345
Lys Arg Leu Thr Pro Ile Ser Val Leu Asp His Ala Leu Glu Ser
    350                 355                 360
Leu Asp Asn Leu Arg Pro Gly Asp Cys Ile Val Cys Phe Ser Lys
365                 370                 375
Asn Asp Ile Tyr Ser Val Ser Arg Gln Ile Glu Ile Arg Gly Leu
            380                 385                 390
Glu Ser Ala Val Ile Tyr Gly Ser Leu Pro Pro Gly Thr Lys Leu
        395                 400                 405
Ala Gln Ala Lys Lys Phe Asn Asp Pro Asn Asp Pro Cys Lys Ile
    410                 415                 420
Leu Val Ala Thr Asp Ala Ile Gly Met Gly Leu Asn Leu Ser Ile
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                425                 430                 435
Arg Arg Ile Ile Phe Tyr Ser Leu Ile Lys Pro Ser Ile Asn Glu
                440                 445                 450
Lys Gly Glu Arg Glu Leu Glu Pro Ile Thr Thr Ser Gln Ala Leu
                455                 460                 465
Gln Ile Ala Gly Arg Ala Gly Arg Phe Ser Ser Arg Phe Lys Glu
                470                 475                 480
Gly Glu Val Thr Thr Met Asn His Glu Asp Leu Ser Leu Leu Lys
                485                 490                 495
Glu Ile Leu Lys Arg Pro Val Asp Pro Ile Arg Ala Ala Gly Leu
                500                 505                 510
His Pro Thr Ala Glu Gln Ile Glu Met Phe Ala Tyr His Leu Pro
                515                 520                 525
Asp Ala Thr Leu Ser Asn Leu Ile Asp Ile Phe Val Asp Phe Ser
                530                 535                 540
Gln Val Asp Gly Gln Tyr Phe Val Cys Asn Met Asp Asp Phe Lys
                545                 550                 555
Phe Ser Ala Glu Leu Ile Gln His Ile Pro Leu Ser Leu Arg Val
                560                 565                 570
Arg Tyr Val Phe Cys Thr Ala Pro Ile Asn Lys Lys Gln Pro Phe
                575                 580                 585
Val Cys Ser Ser Leu Leu Gln Phe Ala Arg Gln Tyr Ser Arg Asn
                590                 595                 600
Glu Pro Leu Thr Phe Ala Trp Leu Arg Arg Tyr Ile Lys Trp Pro
                605                 610                 615
Leu Leu Pro Pro Lys Asn Ile Lys Asp Leu Met Asp Leu Glu Ala
                620                 625                 630
Val His Asp Val Leu Asp Leu Tyr Leu Trp Leu Ser Tyr Arg Phe
                635                 640                 645
Met Asp Met Phe Pro Asp Ala Ser Leu Ile Arg Asp Leu Gln Lys
                650                 655                 660
Glu Leu Asp Gly Ile Ile Gln Asp Gly Val His Asn Ile Thr Lys
                665                 670                 675
Leu Ile Lys Met Ser Glu Thr His Lys Leu Leu Asn Leu Glu Gly
                680                 685                 690
Phe Pro Ser Gly Ser Gln Ser Arg Leu Ser Gly Thr Leu Lys Ser
                695                 700                 705
Gln Ala Arg Arg Thr Arg Gly Thr Lys Ala Leu Gly Ser Lys Ala
                710                 715                 720
Thr Glu Pro Pro Ser Pro Asp Ala Gly Glu Leu Ser Leu Ala Ser
                725                 730                 735
Arg Leu Val Gln Gln Gly Leu Leu Thr Pro Asp Met Leu Lys Gln
                740                 745                 750
Leu Glu Lys Glu Trp Met Thr Gln Gln Thr Glu His Asn Lys Glu
                755                 760                 765
Lys Thr Glu Ser Gly Thr His Pro Lys Gly Thr Arg Arg Lys Lys
                770                 775                 780
Lys Glu Pro Asp Ser Asp
                785
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<210> 25
<211> 260
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 4906154CD1

<400> 25

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             20                  25                  30
Thr Lys Leu Gly Arg Leu Val Lys Asp Met Lys Ile Lys Ser Leu
             35                  40                  45
Glu Glu Ile Tyr Leu Phe Ser Leu Pro Ile Lys Glu Ser Glu Ile
             50                  55                  60
Ile Asp Phe Phe Leu Gly Ala Ser Leu Lys Asp Glu Val Leu Lys
             65                  70                  75
Ile Met Pro Val Gln Lys Gln Thr Arg Ala Gly Gln Arg Thr Arg
             80                  85                  90
Phe Lys Ala Phe Val Ala Ile Gly Asp Tyr Asn Gly His Val Gly
             95                 100                 105
Leu Gly Val Lys Cys Ser Lys Glu Val Ala Thr Ala Ile Arg Gly
            110                 115                 120
Ala Ile Ile Leu Ala Lys Leu Ser Ile Val Pro Val Arg Arg Gly
            125                 130                 135
Tyr Trp Gly Asn Lys Ile Gly Lys Pro His Thr Val Pro Cys Lys
            140                 145                 150
Val Thr Gly Arg Cys Gly Ser Val Leu Val Arg Leu Ile Pro Ala
            155                 160                 165
Pro Arg Gly Thr Gly Ile Val Ser Ala Pro Val Pro Lys Lys Leu
            170                 175                 180
Leu Met Met Ala Gly Ile Asp Asp Cys Tyr Thr Ser Ala Arg Gly
            185                 190                 195
Cys Thr Ala Thr Leu Gly Asn Phe Ala Lys Ala Thr Phe Asp Ala
            200                 205                 210
Ile Ser Lys Thr Tyr Ser Tyr Leu Thr Pro Asp Leu Trp Lys Glu
            215                 220                 225
Thr Val Phe Thr Lys Ser Pro Tyr Gln Glu Phe Thr Asp His Leu
            230                 235                 240
Val Lys Thr His Thr Arg Val Ser Val Gln Arg Thr Gln Ala Pro
            245                 250                 255
Ala Val Ala Thr Thr
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<210> 26
<211> 1872
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 399781CB1

<400> 26

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<210> 27
<211> 3834
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Identification No.: 1806542CB1

<400> 27
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<210> 28
<211> 2178
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> Incyte Identification No.: 2263514CB1

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<213> Homo sapiens

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<213> Homo sapiens

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<220>
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<212> DNA
<213> Homo sapiens

<220>
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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<220>
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